



GUIDED PRACTICE

MATERIALS



toy car



white paper



cardboard



book



sandpaper



tape



metric tape

Friction and Motion



Ask a question: How does friction affect the motion of an object?

- 1 Look at the picture. Make a ramp like the one you see above.
- 2 Place the toy car at the top of the ramp. Let it go.

- 3 **Measure** the distance that the toy car traveled until it stopped. **Record your observations.**
- 4 Replace the white paper with the sandpaper.
- 5 Repeat Steps 2 and 3.

Car Movement Results	
Surface	Distance (cm)
white paper	
sandpaper	

- 6 **Analyze and Conclude**
How does friction affect the motion of the toy car?
